

CLAIMS

Claim 1. (Currently Amended) A signal distribution system, comprising:

a wideband signal distribution system for distributing a plurality of non-IP, RF modulated signals; and,

at least one intelligent device for modulating single frequency carrier RF signals using IP digital data and distributing said modulated single frequency RF signals onto said wideband signal distribution system, said at least one intelligent device including an RF splitter suitable for distributing said modulated single frequency RF signal into at least an IP signal portion and the non-IP RF modulated signal, and at least one modulator electrically connected to said RF splitter and suitable for modulating at least the IP signal portion split by said RF splitter.

Claim 2. (Currently Amended) A signal distribution system, comprising:

a wideband signal distribution system including 568 standard wiring for distributing a plurality of non-IP, RF modulated signals; and,

at least one intelligent device for demodulating single frequency carrier RF signals off of said wideband signal distribution system, wherein said single frequency RF signals comprise IP digital information, said at least one intelligent device including an RF splitter suitable for receiving said modulated single frequency RF signal into at least an IP signal portion and the non-IP RF modulated signal, and at least one

demodulator electrically connected to said RF splitter and suitable for demodulating at least the IP signal portion split by said RF splitter.

Claim 3. (Currently Amended) A receiver and sender intelligent device system for use with a wideband distribution network for distributing a plurality of non-IP, RF modulated signal portions and IP digital information signal portions using a plurality of RF carriers, said system comprising:

at least one addressable device having at least one input and at least one output;

at least one intelligent device communicatively coupled with said at least one addressable device to communicate therewith a single carrier frequency RF signal carrying at least the IP digital signal portion thereon, said at least one intelligent device including an RF splitter suitable for distributing said modulated single frequency RF signal into at least an IP signal portion and the non-IP RF modulated signal, and at least one modulator electrically connected to said RF splitter and suitable for modulating at least the IP signal portion split by said RF splitter; and,

a COS identification processor for determining a quality of service needed for said IP digital signal portion, and selecting a suitable one of said RF carriers based on the determined quality of service.

Claim 4. (Currently Amended) A signal distribution system over a non-IP, RF modulated multiple carrier network, said system comprising:

a wideband signal distribution system for distributing said RF modulated carriers over said network;

at least one intelligent device communicatively coupled to said distribution system for modulating single frequency carrier RF signals using IP digital data and distributing said modulated single frequency RF signals onto said wideband signal distribution system, said at least one intelligent device including an RF splitter suitable for distributing said modulated single frequency RF signal into at least an IP signal portion and the non-IP RF modulated signal, and at least one modulator electrically connected to said RF splitter and suitable for modulating at least the IP signal portion split by said RF splitter;

wherein said at least one intelligent device uses an existing media control access layer of the network in order to control the sharing of media channels among multiple addressable devices in the system.

Claim 5. (Currently Amended) A signal distribution system over a network, comprising:

a wideband signal distribution system for distributing a plurality of non-IP, RF modulated signals;

at least one intelligent device for demodulating single frequency carrier RF signals off of said wideband signal distribution system, wherein said single frequency carrier RF signals comprise IP digital information, said at least one intelligent device including an RF splitter suitable for receiving said modulated single frequency RF signal into at least an IP signal portion and the non-IP RF modulated signal, and at least one demodulator electrically connected to said RF splitter and suitable for demodulating at least the IP signal portion split by said RF splitter;

wherein said at least one intelligent device uses an existing media control access layer of the network in order to control the sharing of media channels among multiple addressable devices in the system.